DT Research Delivers Rugged Tablets Purpose-built for Industry with Lower TCO than Consumer Devices

Cost-effective IP65 Rated Tablets Beat Consumer Devices in Durability, Reliability, Productivity and Security

SAN JOSE, Calif., September 19, 2016 – DT Research, the leading designer and manufacturer of purpose-built computing solutions for vertical markets, today announced the DT395CR and DT395GS Rugged Tablets designed for the unique needs of vertical industries, but cost less than consumer-grade tablets over the lifetime of the product. The DT395 tablets are highly durable to withstand extreme environments, designed with fully integrated options to eliminate easily broken attachments in mission critical scenarios and include security, privacy and productivity settings.

"Many businesses have adopted mobile tablets with the goal of increasing productivity by leveraging the versatile tablet form-factor," said Daw Tsai Sc.D., president of DT Research. "But companies within construction, field service, logistics, manufacturing and warehousing have found that consumer-grade tablets are too fragile for their environment - requiring costly repairs and replacements that introduce expensive downtime. Our new DT395 rugged tablets give vertical industries exactly what they need with high reliability and lower TCO over the lifetime of the product."

According to a VDC Research study, the average annual TCO (total cost of ownership) of a ruggedized tablet is 22% lower than the average annual TCO of a non-rugged tablet. The study found average failure rates for non-rugged tablets is 15.2% compared to 6.9% for rugged tablets. Lost productivity, as a result of mobile device failure, was a leading contributor to higher TCO for non-rugged tablets. Mobile workers lost an average of 52-80 minutes of productivity when their mobile device failed. *(Source: VDC Research, Total Cost of Ownership Models for Mobile Computing and Wireless Platforms, Third Edition.)*

Unmatched Reliability

Unlike consumer-grade tablets, the DT395CR and DT395GS ruggedized tablets are designed to be used in a variety of indoor and outdoor environments with full HD anti-reflection outdoor viewable displays. The tablets are IP65 and MIL-STD-810G rated to withstand 4-foot drops, broad temperatures (-4°F to 140°F) and resist water, dust and humidity.

"We tried iPads, but they were not suited for our environment," said Marty Phillips, Director of Engineering at Murray Equipment, Inc. "Our customers do millions of dollars of fertilizer loading within an 8-week window in a broad range of weather conditions. If a remote control tablet is down for even an hour, it's a significant revenue loss. We have used DT Research rugged tablets in our automated liquid handling facilities across the U.S. for more than three years with no downtime or repair/replacement costs. The reliability of DT Research's rugged tablets is unmatched."

The DT395CR and DT395GS have an 8.9 inch display with 1920x1200 resolution and capacitive touch, weighing only 2.87 pounds. The tablets run on an Intel® Atom Quad Core™ CPU with 4GB RAM running Microsoft® Windows® 10 IoT Enterprise OS.

The DT395GS tablet is designed for field applications with a high-accuracy GNSS module that is compatible with existing GIS software for mapping applications and brings together the advanced workflow for GIS data capture, accurate positioning, and data transmission. The u-blox M8 GNSS module is capable of concurrent reception of GPS and GLONASS for up to 2 meter accuracy.

Security, Privacy & Productivity Settings

"Security, privacy and productivity are a growing concern in many organizations," Helen Fanucci, GM of Americas Device IoT Experience, Microsoft. "We are pleased to see DT Research utilize the Windows 10 IoT Enterprise grade security to support mission critical rugged tablets for customers and deliver a safer device experience, which enhances productivity for a variety of mobile scenarios in manufacturing, field service, logistics and other industries."

The DT395 tablets leverage advanced Windows 10 IoT Enterprise OS security including Device Guard, combining hardware and software security to lock down a device so that it can only run trusted applications. The DT395 also includes Lock Down features to protect against malicious users while providing a custom defined user experience.

Bluetooth, WiFi, and RFID can pose a security issue when using consumer-grade tablets within a business environment. DT Research DT395 rugged tablets can be purpose-built with a camera privacy mode and/or preconfigured with Bluetooth, RFID and WiFi disable functions. The DT395 rugged tablets can also eliminate access to internet or social media applications to address productivity challenges.

Fully Integrated Options

DT Research offers customizable options for the DT395CR and DT395GS including an optimized OS and BIOS. Customers can choose to have the options below fully-integrated.
- 3G WWAN or 4G LTE
- 2D Barcode Scanner
- Class 1 Bluetooth (1000 feet)
- Camera (5 Megapixel back camera)
- GNSS Module (u-blox M8)
- HF/RFID 13.56MHz reader
- HDMI-in and Ethernet port
- 6-pin push/pull connector for EIA/RS-232/485/422, USB port and Ethernet port

Pricing and Availability

The DT395CR and DT395GS rugged tablets will be available in September 2016 through authorized resellers and partners. The cost of a base unit is $1,200 MSRP. For more information, go to www.dtresearch.com/Industry/products/Rugged-Tablets/DT395CR/index.html and www.dtresearch.com/Industry/products/Rugged-GNSS-Tablet/DT395GS/index.html.

About DT Research

DT Research™, is an early Mobile Tablet pioneer and leading designer and manufacturer of purpose-built computing systems for vertical markets. The company delivers the world's most comprehensive line of Rugged and Industrial-grade Tablets, Mobile POS Tablets, Digital Signage Systems and Medical Computing Solutions. DT Research products are uniquely designed with customizable options built-in and assembled in California, providing customers with rapid time-to-market solutions. The DT Research family of products are based on embedded computing platforms that power secure, reliable and cost-effective computing. DT Research systems offer computing mobility within industrial and harsh environments through durable solutions with wireless connectivity, high-quality touch displays, and Windows® operating systems. More than 200 organizations across the globe rely on DT Research solutions in industries such as government, healthcare, hospitality, logistics, military, retail and warehousing. DT Research is headquartered in Silicon Valley, California with offices in China and Taiwan. For more information, visit www.dtresearch.com or follow @dtresearch, #MobileTablets and #RuggedTablets.

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